User Manual

（TLT-1B GPS/GSM Car Tracker）

V 1.0

1 Prelude

1.1 Brief Introduction

The TLT-1B GPS/GSM Tracker is a vehicle remote positioning device with built-in GPS and GSM/GPRS technology in compact size. It can transmit the longitude and latitude coordinates to your cell phone by the SMS. By this, you can find its location on the Google maps© or other map software. The tracker uploads positioning data through GPRS to a designated server. The user can look for real-time location-tracking, historical trajectory through the Internet.

Applications

- TLT-1 GPS/GSM vehicle tracker mainly used for car. Apply to conceal installation; the devices need an external antenna, to get a better reception.
- The product used for logistics vehicles, enterprises and institutions and law enforcement official vehicles while on duty, bus scheduling and management.

1.2 Caution

1.2.1 Please read this handbook carefully and operate in right way, to avoid anything wrong;

1.2.2 The installation of this product suggests to the professional taxi firms, to ensure the safety of the using and hidden of installation.

1.2.3 The picture in this user manual may be different from the real products. Please follow the products. It is not separate explained. If you have any questions please visit our Web site.

2 Key Features

- Built-in SIRF StarIII Chipset, excellent for fixing the position even at a weak signal status. Work well even in areas with limited sky view like urban canyons.
- Built-in GSM/GPRS module, support 4-frequency GSM 900/1800 MHz (850/1900 Optional), working all over the world.
- Support voice call.

- Support SMS communication or GPRS TCP connection.
- Get the position information via mobile phone SMS, or examine the path on the Internet.
- The available SMS takes the control command change tracing function or switch GPS.
- Support establishes three telephone numbers. SOS button send out exact location for immediate rescue/action.
- The major technological index of the device is in conformity with the international standard of GSM mobile phone.
- Portable, compact size, low power design.
- Support cut-off electricity and oil function and recovery command
- Support electronic fence function

2.1 Components

2.2 Specification

Hardware	
GSM module	MTK program, GSM 900/1800/850/1900 dual-band or quad-band Support the TCP protocol
GPS Chipset	SIRF-Star III chipset
GPS Sensitivity	-159dBm

GPS Frequency	L1,1575.42MHz
C/A Code	1.023MHz chip rate
Channels	20 channel all-in-view tracking
Position Accuracy	10 meters, 2D RMS
Velocity Accuracy	0.1 m/s
Time Accuracy	1 us synchronized to GPS time
Datum	WGS-84
Reacquisition	0.1 sec.,average
Hot start	1 sec.,average
Warm start	38sec.,average
Cold start	42sec.,average
Altitude Limit	18,000 meters (60,000feet) max.
Velocity Limit	515 meters/second (1000knots) max.
Acceleration Limit	Less than 4g
Jerk Limit	20m/sec
Operating temperature	-25℃ to 70℃
Humidity	5% to 95% Non-condensing
Dimension	95mm*46mm*18mm
Voltage	12V~24V

2.3 LED State Description

RED LED—indicate power state:

State	Meaning
Constant Lighting	GSM out of work
Flash every 8 minutes	GSM works well

Green LED—indicate the GPS signal state：

State	Meaning
Constant Lighting	GPS not located
Flash quickly	GPS position located

2.4 Accessories

1）TLT-1B GPS/GSM Vehicle Tracker

2）Power cable with SOS button

3）GPS and GSM Antenna

2.5 Install SIM Card

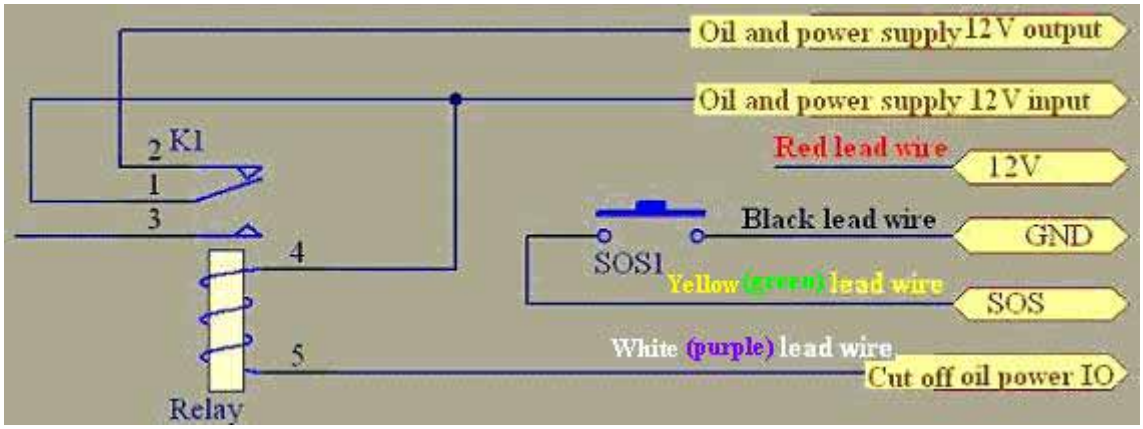
Draw out the PCB board, there is a slot for SIM card. Then push the card into the slot until it fully inlays, and ensure that it locks well.

Select SIM card:

- You can use GSM card from Local Mobile.
- Make sure enough deposit in the SIM card, ready to pay the SMS fee.

2.6 Wiring diagram：

The external 4 wires of TLT-1BGPS/GSM tracker are as follows. Red for the 12V power wire, connect to the car battery anode; Black for the earth, connect to the car battery cathode; Yellow(green) for the SOS for help Control wire, connect external SOS switch button to car battery cathode; White (Purple) for cut-off oil and power control wire, connect to the relay coil input terminal. K1 is the relay, to be actually used in the series of oil. Please note that if the installation of lead wire is right, if errors installation led to the equipment damage, **A**t Own Risk, the company is not responsible for it.



3 How to…

3.1 The operation based on the SMS application

In this mode, TLT-1B can be stored three preset telephone numbers (1, 2, and 3) and a 4-digit user password. The related configuration content that users set by SMS order is non-volatile. After the success, the state has not affect by switching power, until once again receives the relevant instructions or reset operation to change.

3.1.1 Switch the mode instruction

Format：700+ user password (4 figures)

eg: 7000000

Explanation：When TLT-1B tracker receives the SMS and confirms the user password correctly, it switches to the SMS application mode. After the success, it will send the confirmation messages (SET MODE OK, CURRENT MODE: SMS P2P) to the sender.

3.1.2 Set up the user password instruction

Format: 777+new password (4 figures) +old password (4 figures)

eg: 77712340000

Explanation: When TLT-1B tracker receives the SMS and confirm the user password correctly; changes the new user password to the old password. After set successfully, it will send the confirmation messages (SET USER PASSWORD OK) to the sender.

3.1.3 Change the telephone number in advance instructions

Format: *new numbers with 4-20 figures * user password (4 figures) *location number (1-3) **

eg: *13900000000*0000*1**

Explanation: You can store 3 telephone numbers at most in advance。When TLT-1B tracker receives the instruction and confirms the user password correctly, substitutes the new number for the existing number. After success, it will send the confirmation

messages (SET USER NUMBER (1-3) OK) to the sender.

3.1.4 GPS state setting instruction

GPS will enable on the on / off / adaptive three work states by send text messages command. GPS state is open after factory settings or reset.

3.1.4.1 Open the GPS instruction

Format: 222+user password (4 figures)

eg: 2220000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, opens the GPS power. After the success, it will send the confirmation messages (GPS ON OK) to the sender.

3.1.4.2 Close GPS instruction

Format: 333+ user password (4 figures)

eg: 3330000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, close the GPS. After the success, it will send the confirmation messages (GPS OFF OK) to the sender.

3.1.4.3 Adaptive GPS instruction（Power-saving Function）

Format: 100+ user password (4 figures)

eg：1000000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, it will close the GPS immediately, and send the confirmation messages (VIBRATION SENSOR ON OK) to the sender. The tracker built in vibration sensor, once monitors the track movement for change to open the GPS. If in 5 minutes, with not monitors the track changed in the movement to close GPS.

Note: If a long time on the highway or the flat road, the GPS may be in sleeping, and will not be awakened. Users can send 222 + user passwords to re-open the GPS.

3.1.5 Single localization request instruction

Format: 666+ user password (4 figures)

eg: 6660000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, reads the GPS information. No matter whether effective, the information with the replying base station which is the set of the original software will be sent to the sender.

Data format:

Lat: Latitude Direction (+/-) Latitude Value (Accuracy for 5 after the decimal point)

Long: Longitude Direction (+/-) Longitude Value (Accuracy for 5 after the decimal point)

Speed: Speed KM/H (Accuracy for 2 after the decimal point)

Direction: Direction (Accuracy for 2 after the decimal point)

Date: Date YYYY-MM-DD

Time: Time HH：MM：SS (GMT)

BS: Base Station information

Fix: Location state (A/V)

ID: IMEI

STATE: Message state

Effective data format:

Lat: +22.50500

Long: +114.01000

Speed: 0.00KM/H

Direction: 315.00

Date: 2008-04-25

Time: 16:39:45

BS: 25ee0dff

Fix: A

ID: 353686009002030

STATE: SMS

Invalid data format:

Lat: +22.50500

Long: +114.01000

Speed: 0.00KM/H

Direction: 315.00

Date: 2008-04-25

Time: 16:39:45

BS: 25ee0dff

Fix: V

ID: 353686009002030

STATE: SMS

Note: If in the cold start and GPS no position, it will return to the void of information:

eg: ERROR GPS GPRMC FRAME DATA

BS: 27971054”

ID: 353686009002030

STATE: SMS

3.1.6 Send the positional information in fixed time instruction

Format: 4 xx + user password (4 figures)

eg: 4010000

Explanation: x indicates one figure from 0 to 9, while “xx <60”, its unit is minute. while “xx >60”, its numerical value is “xx minus 60” and unit is hour, in other words, 61 is 1 hour, 62 is 2 hours, followed by analogy. When TLT-1B tracker receives the instruction and confirms the user password correctly, it establishes the current time for initial timing time, xx is the gap time, and sends the confirmation SMS to the sender’s mobile phone (TIMER START, REPEAT INTERVAL :< X>MINUTES). Then start to time and send the format as 3.1.5 setting information when it arrives the gap time, the information state item automatically updates STATE: TIMER. When “xx=00”, cancels the positional information in fixed time instruction, and sends the confirmation SMS to the sender’s mobile phone “TIMER STOP”.

3.1.7 Telephone localization function

Explanation: One of 3 telephone numbers stored in advance calls in, and hangs up after ringing 2-5 times, then the TLT-1B will send the location information to this number such as 3.1.5 to this number, the information state item automatically updates STATE: CALL. But other incoming numbers will automatically hang up.

3.1.8 Seeking help initiatively

When press the key more than 3 seconds, it will send the location information such as 3.1.5 to 3 telephone numbers stored in advance, the information state item automatically updates STATE: SOS. At the same time, call the first user telephone number. If it is unsuccessful (closed or unable to connect or no response), starts calling the second and the third in turn.

3.1.9 Electronic fence function

Electronic fence takes the set coordinates as the center, the set radius parameters to determine the scope of the fence. When open this feature, once the TLT-1B beyond the scope of the set fence, it will send location information as to 3.1.5 to the 3 preset numbers. The information state item automatically updates STATE: SOS. At the same time, call the first user telephone number. If it is unsuccessful (closed or unable to connect or no response), makes vibration and starts calling the second and the third in turn.

1) Set the scope of the fence

According to the input formats different of coordinates, user can choose the format as follows instructions to operate.

Format：003+ user password Exxxx.xxxxNyyyy.yyyyRzzz.z

eg: 003xxxxE11406.0024N2233.4230R1

Explanation:

Exxxx.xxxx is longitude information with units of degrees and minutes (Accuracy for 4 after the decimal point, the following zero cannot bypass)

Nyyyy.yyyy is latitude information with units of degrees and minutes (Accuracy for 4 after the decimal point, the following zero cannot bypass)

Rzzz.z is radius for the domain (999.9 - 000.1), unit for KM.

After set successfully, it will send the confirmation messages “SET POSITION AND RANGE OK” to the first preset number.

Note: Radius of the fence can not exceed the definition of its domain; the value of the decimal part for zero must input zero fill. For example: R=1, it is important to enter into 1.0.

2) Open the electronic fence: 211 + user password

After set successfully, it will send the confirmation messages “ELECTRONIC BARRIER ON” to the first preset number.

3) Close the electronic fence: 210 + user password

After set successfully, it will send the confirmation messages “ELECTRONIC BARRIER OFF” to the first preset number.

3.1.10 Cut-off electricity and oil function

1. Open the cut-off electricity and oil function

a. Command format: 900 + user password

b. Confirm command format: 901 + user password

Description: When the user need to cut-off electricity and oil, using a mobile phone to send format a command, the device will return to: "Confirm Power OFF?" after it receives the order and confirm the user password correct. If it receives the user sending format b command in ten minutes and confirms password correct, it will output low level in order to control the outside relay to cut off oil and electricity and back to confirm SMS: POWER OFF OK.

2. Cut-off electricity and oil function to recovery command

a. Recovery command: 902 + user password

b. Confirm the recovery command: 903 + user password

Description: When the device receives the cut-off electricity and oil function to recovery command by the preset user numbers and confirms the password correct, will send the confirm information "Confirm Power ON?" to the sender, and then prepares to receive the confirm command. If within 10 minutes the device receives the users confirm command, it will output high level in order to control the outside relay to recover oil and electricity. After completion, send confirmation message "POWER ON

OK" to the user.

3.1.11 Low voltage warning

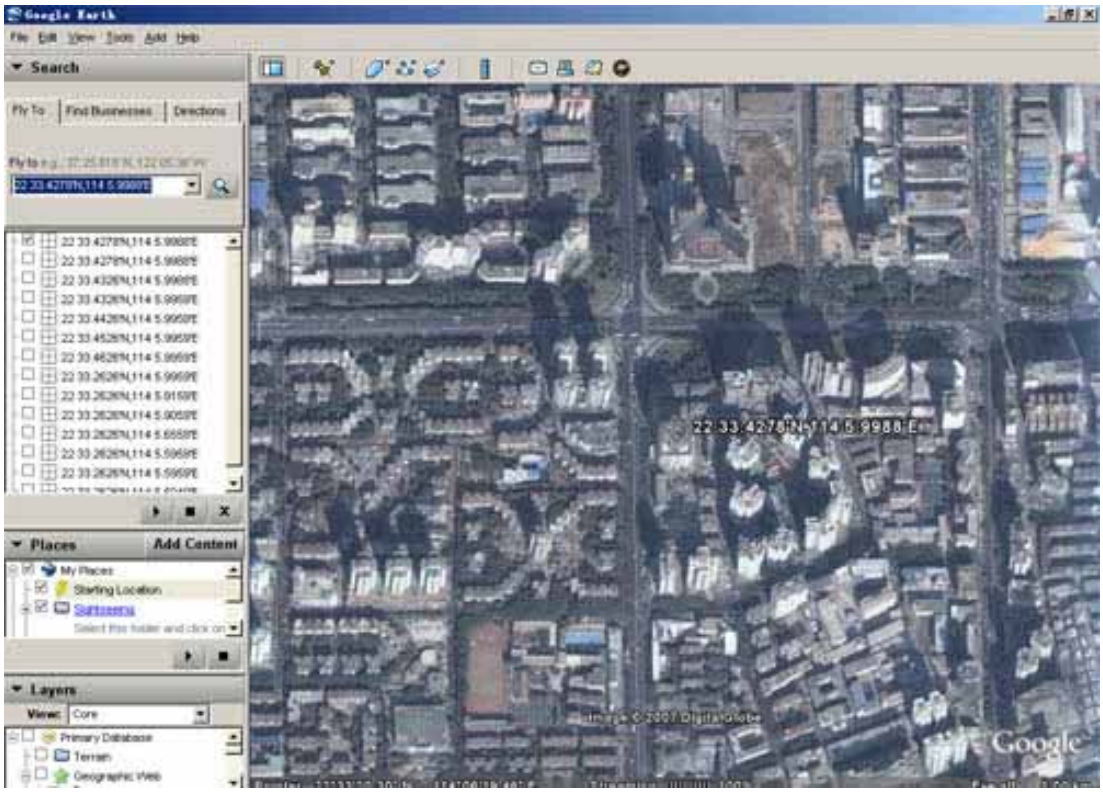
When the TLT-1B's working voltage lower than the set, to read the GPS information, whether or not effective, immediately send the format as 3.1.5 location information to the three stored numbers, the information state item automatically updates STATE: LP. Send a total of three times, each time one minute interval.

3.1.12 Display the location on map

1) Download Google earth software from http://earth.google.com

2) Start the Google earth software. (For more information about Google earth software, please refer tohttp://earth.google.com)

As following picture shows:



(Note: pay attention to change the position date format)

Or you can start the internet explorer and copy http://maps.google.com to connect to Google map website for displaying the location map.

3）You can get the latitude & longitude date by sending "666+password" SMS command code to the GPS tracker TLT-1B. Input the latitude and longitude that you receive from

SMS and click on search button, the Google earth will display the location map for you.

eg： You receive the information from the tracker. As follows:

Lat: +22.50500

Long: +114.01000

Speed: 0.00KM/H

Direction: 315.00

Date: 2008-04-25

Time: 16:39:45

BS: 25ee0dff

Fix: A

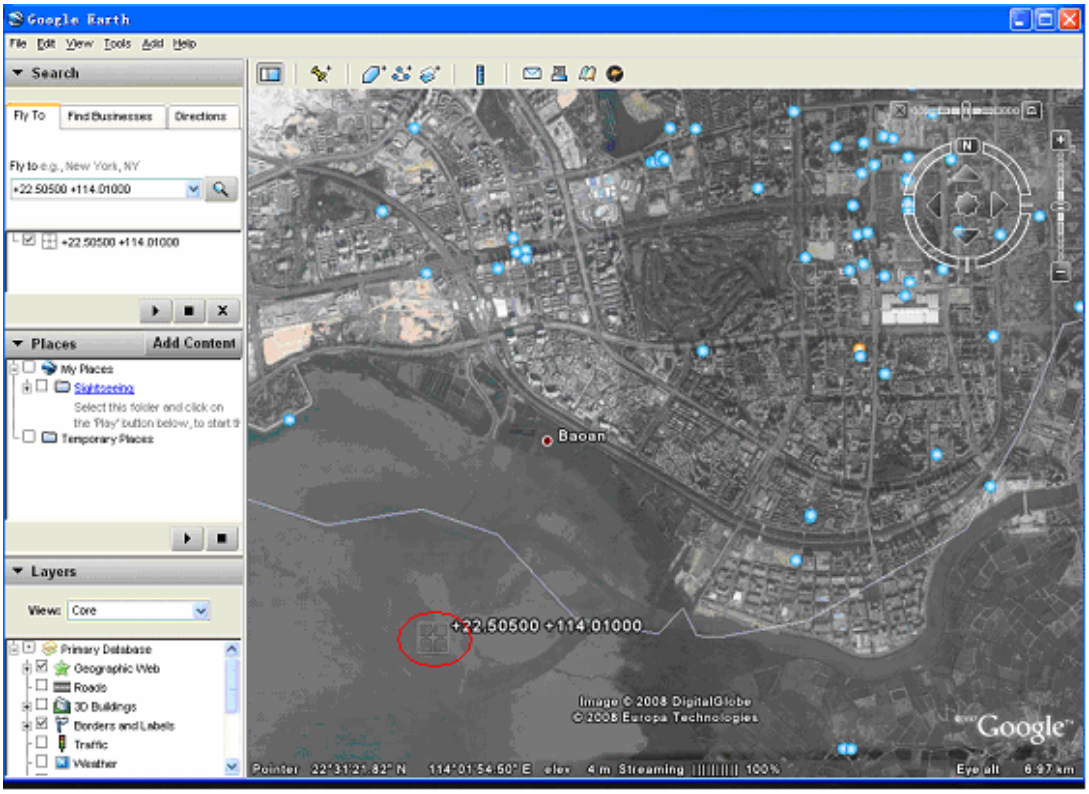
ID: 353686009002030

STATE: SMS

Search the position on the Google map, in relevant position input：

+22.50500 +114.01000

Obtain the following picture:



Or you can use local map software on PDA or car navigation device, input the position date. (*Note:* pay attention to change the position date format)

3.2 The operation based on the GPRS application

In this mode, TLT-1B can be stored three preset telephone numbers (1, 2, and 3), a 4-digit user password, a group of TCP / IP server IP address and port number, 4-digit GPS password and access point name of GPRS. The related configuration content that users set by SMS order is non-volatile. After the success, the state has not affect by switching power, until once again receives the relevant instructions or reset operation to change.

3.2.1 Switch the mode instruction

Format：710+ user password (4 figures)

eg：7100000

Explanation: When TLT-1B tracker receives the SMS and confirms the user password correctly, it switches to the GPRS application mode. After the success, it will send the confirmation messages (SET MODE OK，CURRENT MODE：GPRS) to the sender.

3.2.2 Set up the user password instruction

Format: 777+new password (4 figures) +old password (4 figures)

eg: 77712340000

Explanation: Confirm the user password correctly; changes the new user password to the old password. After set successfully, it will send the confirmation messages (SET USER PASSWORD OK) to the sender.

3.2.3 Change the telephone number in advance instructions

Format: *new numbers with 4-20 figures * user password (4 figures) *location number (1-3) **

eg: *13900000000*0000*1**

Explanation: You can store 3 telephone numbers at most in advance。When TLT-1B tracker receives the instruction and confirms the user password correctly, substitutes the new number for the existing number. After success, it will send the confirmation messages (SET USER NUMBER（1-3）OK) to the sender.

3.2.4 GPS state setting instruction

GPS will enable on the on / off / adaptive three work states by send text messages command. GPS state is open after factory settings or reset.

3.2.4.1 Open the GPS instruction

Format: 222+user password (4 figures)

eg: 2220000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, opens the GPS power. After the success, it will send the confirmation messages (GPS ON OK) to the sender.

3.2.4.2 Close GPS instruction

Format: 333+ user password (4 figures)

eg: 3330000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, close the GPS. After the success, it will send the confirmation messages (GPS OFF OK) to the sender.

3.2.4.3 Adaptive GPS instruction（Power-saving Function）

Format: 100+ user password (4 figures)

eg：1000000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, it will close the GPS immediately, and send the confirmation messages (VIBRATION SENSOR ON OK) to the sender. The tracker built in vibration sensor, once monitors the track movement for change to open the GPS. If in 5 minutes, with not monitors the track changed in the movement to close GPS.

Note: If a long time on the highway or the flat road, the GPS may be in sleeping, and will not be awakened. Users can send 222 + user passwords to re-open the GPS.

3.2.5 Single localization request instruction

Format: 666+ user password (4 figures)

eg: 6660000

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, reads the GPS information. No matter whether effective, the information with the replying base station which is the set of the original software will be sent to the sender.

Data format:

Lat: Latitude Direction (+/-) Latitude Value (Accuracy for 5 after the decimal point)

Long: Longitude Direction (+/-) Longitude Value (Accuracy for 5 after the decimal point)

Speed: Speed KM/H (Accuracy for 2 after the decimal point)

Direction: Direction (Accuracy for 2 after the decimal point)

Date: Date YYYY-MM-DD

Time: Time HH：MM：SS (GMT)

BS: Base Station information

Fix: Location state (A/V)

ID: IMEI

STATE: Message state

Effective data format:

Lat: +22.50500

Long: +114.01000

Speed: 0.00KM/H

Direction: 315.00

Date: 2008-04-25

Time: 16:39:45

BS: 25ee0dff

Fix: A

ID: 353686009002030

STATE: SMS

Invalid data format:

Lat: +22.50500

Long: +114.01000

Speed: 0.00KM/H

Direction: 315.00

Date: 2008-04-25

Time: 16:39:45

BS: 25ee0dff

Fix: V

ID: 353686009002030

STATE: SMS

Note: If in the cold start and GPS no position, it will return to the void of information

Eg: ERROR GPS GPRMC FRAME DATA

BS: 27971054

ID: 353686009002030

STATE: SMS

3.2.6 Change the user name

Format: #801#user password#new user name##

eg：#801#0000# username##

Explanation: When TLT-1B tracker receives the instruction and confirms the user

password correctly, changes the user name to the new user name. After the success, it will send the confirmation messages to the sender. The content is “CHANGE USERNAME OK”.

3.2.7 Change the service password

Format：#802#user password#new service password#old service password ##

eg：#802#0000#1111#0000##

Explanation: When TLT-1B tracker receives the instruction, confirms the user password and old service password correctly, changes the service password to the new service password. After the success, it will send the confirmation messages to the sender. The content is “CHANGE PASSWORD OK”

3.2.8 Set up the access point name of GPRS

Format1：#803#user password#APN##

eg：#803#0000#CMNET##

Format2：#803#user password#APN#APN user name#APN password ##

Explanation1: Different GSM / GPRS service associations provide different APN, please according to local service providers to provide the APN to choose format 1 or 2 to use set.

Explanation2: When TLT-1B tracker receives the instruction and confirms the user password correctly, updates the access point name to the new access point name. After the success, it will send the confirmation messages to the sender. If sent the format 1, the content is “SET GPRS APN OK”; if it is format 2, the content is “SET GPRS ACCOUNT OK”.

Note: APN is CMNET after factory set or reset. APN is characters composed of 3 to 35 letters, numbers, dots (.) underscore (_) and connectors (-). APN user name and user password are respectively characters composed of from 3 to 20 the numbers and letters.

3.2.9 Set up the TCP/IP server and IP’s address and port number

Format：#804#user password#fixed IP address # port ##

eg：#804#0000#222.125.12.32#80##

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, updates the IP address and port number preserved in the module， After the success, it will send the confirmation messages to the sender. The content is “SET SERVER IP AND PORT OK”

3.2.10 Upload the location instruction at once

Format：#806#user password##

eg：#806#0000##

Explanation: When TLT-1B tracker receives the instruction and confirms the user password correctly, sends the confirmation messages to the sender. The content is “START GPRS UPLOAD”. At the same time, send the data from the memory block to server.

Upload format:

#IMEI # user name #service password #condition

data quantity #the base station’s information $ GPRMC…….. # the base station’s information $ GPRMC…….

eg:

#123456789000001#TLT-1B#0000#SMS#3

#25ee0dff$GPRMC,083945.180,A,2233.4249,N,11406.0046,E,0.00,315.00,251207,,,A*6E

#25ee0dff$GPRMC,083950.180,A,2233.4249,N,11406.0046,E,0.00,315.00,251207,,,A*6E

#25ee0dff$GPRMC,083955.180,A,2233.4249,N,11406.0046,E,0.00,315.00,251207,,,A*6E ##

Note: Immediately upload data format for the state: SMS.

3.2.11 Upload data settings

Format：#805#user password# sampling interval T # the number of upload data each time N ##

eg：#805#0000#6#10##

Explanation: The time T unit of the sampling is second, 1 seconds at least，65535 seconds at most；The number of upload data each time is N, at least is 1, at most is 50. sampling interval T and the number of upload data each time N product should meet greater-than-equal 60, that is T*N≥60.

When setting parameters T * N <60, the device will automatically correct sampling interval T to meet the uploading constraints. When TLT-1B tracker receives the instruction and confirms the user password correctly, sends the confirmation messages to the sender. The content is “SET GPS SAMPLING TIME AND QUANTITY OK”. At the same time as specified in the instructions to the sampling interval time T, continuous read the GPS data and preserve to the memory block. When the memory block reaches to the “number of upload each time N” setting, it starts connecting to the GPRS servers to send out the format as 3.2.10 information, and the state item automatically updates STATE: AUTO. When “the number of upload each time N = 0” it will close the upload data setting and send the confirmation messages to the sender. The content is “GPRS TIMER STOP”。

3.2.12 Upload the call

Explanation: One of 3 telephone numbers stored in advance calls in, hangs up after ringing 2-5 times. Dispose as 3.2.10，the state item automatically updates STATE: CALL.

3.2.13 Upload the emergency case

Explanation: When press the SOS key more than 3 seconds, it will do like 3.2.10 instruction, the information state item automatically updates STATE: SOS. At the same time, it will call the first preset user telephone number. If it is unsuccessful (closed or unable to connect or no response), starts calling the second and the third in turn.

3.2.14 Electronic fence function

Electronic fence takes the set coordinates as the center, the set radius parameters to determine the scope of the fence. When open this feature, once the TLT-1B beyond the

scope of the set fence, it will send location information as to 3.2.10 to the server. The information state item automatically updates STATE: SOS. At the same time, call the first user telephone number. If it is unsuccessful (closed or unable to connect or no response), makes vibration and starts calling the second and the third in turn.

1) Set the scope of the fence

According to the input formats different of coordinates, user can choose the format as follows instructions to operate.

Format：003+ user password Exxxx.xxxxNyyyy.yyyyRzzz.z

eg: 003xxxxE11406.0024N2233.4230R1

Explanation:

Exxxx.xxxx is longitude information with units of degrees and minutes (Accuracy for 4 after the decimal point, the following zero cannot bypass)

Nyyyy.yyyy is latitude information with units of degrees and minutes (Accuracy for 4 after the decimal point, the following zero cannot bypass)

Rzzz.z is radius for the domain (999.9 - 000.1), unit for KM.

After set successfully, it will send the confirmation messages “SET POSITION AND RANGE OK” to the first preset number.

Note: Radius of the fence can not exceed the definition of its domain; the value of the decimal part for zero must input zero fill. For example: R=1, it is important to enter into 1.0.

2) Open the electronic fence: 211 + user password

After set successfully, it will send the confirmation messages “ELECTRONIC BARRIER ON” to the first preset number.

3) Close the electronic fence: 210 + user password

After set successfully, it will send the confirmation messages “ELECTRONIC BARRIER OFF” to the first preset number.

3.2.15 Cut-off electricity and oil function

1. Open the cut-off electricity and oil function

a. Command format: 900 + user password

b. Confirm command format: 901 + user password

Description: When the user need to cut-off electricity and oil, using a mobile phone to send format a command, the device will return to: "Confirm Power OFF?" after it receives the order and confirm the user password correct. If it receives the user sending format b command in ten minutes and confirms password correct, it will output low level in order to control the outside relay to cut off oil and electricity and back to confirm SMS: POWER OFF OK.

2. Cut-off electricity and oil function to recovery command

a. Recovery command: 902 + user password

b. Confirm the recovery command: 903 + user password

Description: When the device receives the cut-off electricity and oil function to recovery command by the preset user numbers and confirms the password correct, will send the confirm information "Confirm Power ON?" to the sender, and then prepares to receive the confirm command. If within 10 minutes the device receives the users confirm command, it will output high level in order to control the outside relay to recover oil and electricity. After completion, send confirmation message "POWER ON OK" to the user.

3.2.16 Low voltage upload

Explanation: When the TLT-1B's working voltage lower than the set, it will do like 3.2.10 instruction, the data state item automatically add "LP" to aid current status. Send a total of three times, each time one minute interval.

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Note：When low voltage, different situation for below condition expression：

upload the call："LPCALL"

Automatically answered："LPANSWER"

Automatically upload："LPAUTO"

Upload the emergency situation："LPSOS"

4. Instruction Set

Instruction	Explanation
700+ user password	SMS Mode
710+ user password	GPRS Mode
222+ user password	Open GPS In two modes
333+ user password	Close GPS In two modes
4xx+ user password	Regularly upload in SMS mode
666+ user password	Return Single localization to user number in two modes
777+new password + old password	Change user password in two modes
#801#user password # new user name##	Change the user name in GPRS mode
#802#user password # new service password # old service password ##	Change service password in GPRS mode
#803# user password #APN##	Set up access GPRS points in GPRS mode
#804#user password # fixed IP address # port ##	Set up TCP / IP server's IP address and port number in GPRS mode
#805#user password# sampling interval # the number of upload data each time ##	Upload data set in GPRS mode
#806# user password ##	Upload the current position immediately in GPRS mode
003	Set the scope of the fence in two modes
100+ user password (4 figures)	Open power-saving function in two modes
211 + user password (4 figures)	Open the electronic fence in two modes
210 + user password (4 figures)	Close the electronic fence in two modes
900 + user password 901 + user password	Cut-off electricity and oil function in two modes
902 + user password 903 + user password	Cut-off electricity and oil function to recovery command in two modes